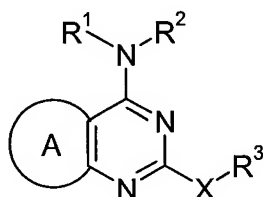


Amendments to the Claims

5

11. (Currently Amended) A compound of formula (I)

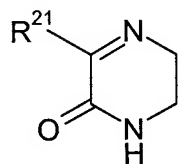


(I)

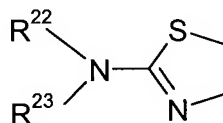
10

wherein:

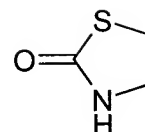
A represents a group of formula (a) or (b) or (c):



or



or



(a)

(b)

(c)

15

R<sup>1</sup> and R<sup>2</sup> independently represent H, C1 to 8 alkyl, ~~C2 to 8 alkenyl~~, ~~C2 to 8 alkynyl~~ or C3 to 7 saturated or partially unsaturated cycloalkyl; the latter four groups being optionally further substituted by one or more groups selected independently from OH, C1 to 6 alkoxy, CH<sub>2</sub>OR<sup>4</sup>, NR<sup>5</sup>R<sup>6</sup>, CO<sub>2</sub>R<sup>7</sup> and CONR<sup>8</sup>R<sup>9</sup>;

20

R<sup>3</sup> represents C1 to 6 alkyl, C2 to 6 alkenyl, C2 to 6 alkynyl or C3 to 7 saturated or partially unsaturated cycloalkyl; said alkyl, alkenyl or alkynyl chain optionally including a O, NR<sup>10</sup> or S atom in the chain; said alkyl, alkenyl, alkynyl or cycloalkyl group being optionally substituted by phenyl or a 5 or 6 membered heteroaromatic ring containing 1 to 3 heteroatoms selected independently from O, S and N; said phenyl or heteroaromatic ring being optionally further substituted by one or more groups selected independently from halogen, C1 to 4 alkyl, OH, C1 to 4 alkoxy, CN, ~~CO<sub>2</sub>R<sup>11</sup>~~, CO<sub>2</sub>R<sup>11</sup>, NR<sup>12</sup>R<sup>13</sup>, CONR<sup>14</sup>R<sup>15</sup>, SO<sub>2</sub>R<sup>16</sup>, NR<sup>17</sup>SO<sub>2</sub>R<sup>18</sup> and SO<sub>2</sub>NR<sup>19</sup>R<sup>20</sup>;

25

X represents O or S(O);

$R^{21}$  represents H,  $CH_2OR^{24}$ ,  $CH_2NR^{24}R^{25}$ ,  $CO_2R^{24}$  or  $CONR^{24}R^{25}$ ;

5

$R^{22}$  and  $R^{23}$  are independently represent H, C1 to 6 alkyl, C2 to 6 alkenyl or C3 to 7 saturated or partially unsaturated cycloalkyl; said alkyl, alkenyl or cycloalkyl group being optionally substituted by  $OR^{24}$ ,  $NR^{24}R^{25}$ ,  $CO_2R^{24}$  or  $CONR^{24}R^{25}$ ; or the group  $NR^{22}R^{23}$  together represents a 3 to 7 membered saturated azacyclic ring optionally incorporating one further heteroatom selected from O, S(O)<sub>n</sub> and  $NR^{26}$ ; and optionally substituted by  $OR^{24}$ ,  $NR^{24}R^{25}$ ,  $CO_2R^{24}$  or  $CONR^{24}R^{25}$ ;

10

n represents an integer 0, 1 or 2;

15  $R^4, R^5, R^6, R^7, R^8, R^9, R^{10}, R^{11}, R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{17}, R^{18}, R^{19}, R^{20}, R^{24}, R^{25}$  and  $R^{26}$  independently represent H or C1 to 6 alkyl;

and pharmaceutically acceptable salts thereof.

20 12. (Currently Amended) A compound according to Claim 11 wherein  $R^1$  represents H or  $CH_3$ .

13. (Currently Amended) A compound according to Claim 11 wherein  $R^2$  represents C1 to 8 alkyl substituted by OH or C3 to 7 cycloalkyl substituted by OH or  $CH_2OR^4$ .

25

14. (Currently Amended) A compound according to Claim 11 wherein  $R^3$  represents C1 to 2 alkyl substituted by phenyl; said phenyl being optionally substituted by halogen, C1 to 6 alkoxy or CN.

30 Claim 15 (Cancelled)

16. (Currently Amended) A pharmaceutical formulation comprising a compound of formula (I), as defined in Claim 11 or a pharmaceutically acceptable salt thereof, optionally in admixture with a pharmaceutically acceptable diluent or carrier.

21. (New) A compound selected from:
- (2*R*)-2-{{2-Amino-5-(benzyloxy)[1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}amino}-4-methylpentan-1-ol;
- 5 (2*R*)-2-({2-Amino-5-[(3-methoxybenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}amino)-4-methylpentan-1-ol;
- (2*R*)-2-{{2-Amino-5-(2-phenylethoxy)[1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}amino}-4-methylpentan-1-ol;
- (2*R*)-2-{{2-Amino-5-(2-phenoxyethoxy)[1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}amino}-4-
- 10 methylpentan-1-ol;
- (2*R*)-2-{{2-Amino-5-[(2-methylbenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}(methyl)amino]-4-methylpentan-1-ol;
- (2*R*)-2-{{2-Amino-5-[(4-chlorobenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}(methyl)amino]-4-methylpentan-1-ol;
- 15 (2*R*)-2-{{2-Amino-5-[(3-chlorobenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}(methyl)amino]-4-methylpentan-1-ol;
- (2*R*)-2-{{2-amino-5-[(2-methoxybenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}(methyl)amino]-4-methylpentan-1-ol;
- (2*R*)-2-[[2-Amino-5-(benzyloxy)[1,3]thiazolo[4,5-*d*]pyrimidin-7-yl](methyl)amino]-4-
- 20 methylpentan-1-ol;
- (2*R*)-[{{2-Amino-5-[(4-bromo-2-fluorobenzyl)-(*R<sub>S</sub>,S<sub>S</sub>*)-sulfinyl][1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}(methyl)amino]-4-methylpentan-1-ol;
- (2*R*)-2-[[2-Amino-5-{{2-(4-bromophenyl)ethyl)-(*R<sub>S</sub>,S<sub>S</sub>*)-sulfinyl}[1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}amino]-4-methylpentan-1-ol;
- 25 (2*R*)-2-[[2-Amino-5-{{2-(2-bromophenyl)ethyl)-(*R<sub>S</sub>,S<sub>S</sub>*)-sulfinyl}[1,3]thiazolo[4,5-*d*]pyrimidin-7-yl}amino]-4-methylpentan-1-ol;
- (*R*)-2-[[2-Amino-5-{{2-(2-bromophenyl)ethyl)-(*R<sub>S</sub>,S<sub>S</sub>*)-sulfinyl}[1,3]thiazolo[4,5-*d*]pyrimidin-7-yl](methyl)amino]-4-methylpentan-1-ol;
- 2-[(2,3-Difluorobenzyl)oxy]-4-[[1*R*]-1-(hydroxymethyl)-3-methylbutyl]amino}pteridin-
- 30 7(8*H*)-one;
- 4-[[1*R*]-1-(Hydroxymethyl)-3-methylbutyl]amino}-2-[(3-methoxybenzyl)oxy]pteridin-7(8*H*)-one;

- 2-[(2-Chloro-3-methoxybenzyl)oxy]-4-{[(1*R*)-1-(hydroxymethyl)-3-methylbutyl]amino}pteridin-7(8*H*)-one;  
4-{[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino}-2-(2-phenylethoxy)pteridin-7(8*H*)-one;  
5 4-{[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino}-2-(2-phenoxyethoxy)pteridin-7(8*H*)-one;  
2-[(2-Chlorobenzyl)oxy]-4-{[(1*R*)-1-(hydroxymethyl)-3-methylbutyl]amino}pteridin-7(8*H*)-one;  
2-[(4-Chlorobenzyl)oxy]-4-{[(1*R*)-1-(hydroxymethyl)-3-methylbutyl]amino}pteridin-7(8*H*)-one;  
10 4-{[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino}-2-[(4-methylbenzyl)oxy]pteridin-7(8*H*)-one;  
4-{[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino}-2-[(3-methylbenzyl)oxy]pteridin-7(8*H*)-one;  
15 2-[(3-Chlorobenzyl)oxy]-4-{[(1*S*,2*S*)-2-hydroxy-1-(hydroxymethyl)propyl]amino}-7-oxo-7,8-dihydropteridine-6-carboxamide;  
2-[(2,3-Difluorobenzyl)-(*R*,*S*)-sulfinyl]-4-{[(1*R*)-1-(hydroxymethyl)-3-methylbutyl]amino}pteridin-7(8*H*)-one;  
5-(Benzyloxy)-7-{[(1*R*)-1-(hydroxymethyl)-3-methylbutyl]amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
20 7-{[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino}-5-[(3-methoxybenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
7-{[(1*R*)-1-(Hydroxymethyl)-3-methylbutyl]amino}-5-(2-phenylethoxy)[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
25 5-(Benzyloxy)-7-{[(1*R*)-1-(hydroxymethyl)butyl]amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
7-{[(1*R*)-1-(Hydroxymethyl)butyl]amino}-5-{[(1*S*)-1-phenylethyl]oxy}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
30 *N*-(3-{[(7-{[(1*R*)-1-(Hydroxymethyl)butyl]amino}-2-oxo-2,3-dihydro[1,3]thiazolo[4,5-*d*]pyrimidin-5-yl)oxy]methyl}phenyl)-*N*-methylmethanesulfonamide;

- N*-(3-{{(7-{{(1*R*)-1-(Hydroxymethyl)-2-methylpropyl}amino}-2-oxo-2,3-dihydro[1,3]thiazolo[4,5-*d*]pyrimidin-5-yl)oxy}methyl}phenyl)-methanesulfonamide;  
5-(Benzyloxy)-7-{{1-(hydroxymethyl)cyclopentyl}amino}-[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- 5 7-{{1-(Hydroxymethyl)cyclopentyl}amino}-5-[(2-methylbenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
7-{{1-(Hydroxymethyl)cyclopentyl}amino}-5-[(3-methylbenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
5-[(2-Chlorobenzyl)oxy]-7-{{1-(hydroxymethyl)cyclopentyl}amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- 10 5-[(3-Chlorobenzyl)oxy]-7-{{1-(hydroxymethyl)cyclopentyl}amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
5-[(4-Chlorobenzyl)oxy]-7-{{1-(hydroxymethyl)cyclopentyl}amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- 15 7-{{1-(Hydroxymethyl)cyclopentyl}amino}-5-[(2-methoxybenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
7-{{1-(Hydroxymethyl)cyclopentyl}amino}-5-[(3-methoxybenzyl)oxy][1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- 20 4-{{(7-{{1-(Hydroxymethyl)cyclopentyl}amino}-2-oxo-2,3-dihydro[1,3]thiazolo[4,5-*d*]pyrimidin-5-yl)oxy}methyl} benzonitrile;  
(*R,S*)-7-[[1-(Hydroxymethyl)cyclopentyl]amino]-5-(1-phenylethoxy)-thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
7-{{1-(Hydroxymethyl)cyclopentyl}amino}-5-{{(1*S*)-1-phenylethyl}oxy}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- 25 5-{{2-(3-Chlorophenyl)-(*R,S*)-ethyl}sulfinyl}-7-{{(1*R*)-1-(hydroxymethyl)-3-methylbutyl}amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
5-{{2-(2-Bromophenyl)ethyl)-(*R,S*)-sulfinyl}-7-{{(1*R*)-1-(hydroxymethyl)-3-methylbutyl}amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
5-[(2,3-Difluorobenzyl)-(*R,S*)-sulfinyl]-7-{{(1*R*)-1-(hydroxymethyl)-3-
- 30 methylbutyl}amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;  
5-[Benzyl-(*R,S*)-sulfinyl]-7-{{(1*R*)-1-(hydroxymethyl)-3-methylbutyl}amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;

- 5-[(2-Chlorobenzyl)-(R<sub>S</sub>,S<sub>S</sub>)-sulfinyl]-7-{[(1R)-1-(hydroxymethyl)-3-methylbutyl]amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- 5-[(4-Chlorobenzyl)-(R<sub>S</sub>,S<sub>S</sub>)-sulfinyl]-7-{[(1R)-1-(hydroxymethyl)-3-methylbutyl]amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- 5 5-[Benzyl-(R<sub>S</sub>,S<sub>S</sub>)-sulfinyl]-7-{[(1R)-1-(hydroxymethyl)-2-methylpropyl]amino}[1,3]thiazolo[4,5-*d*]pyrimidin-2(3*H*)-one;
- or a pharmaceutically acceptable salt thereof.